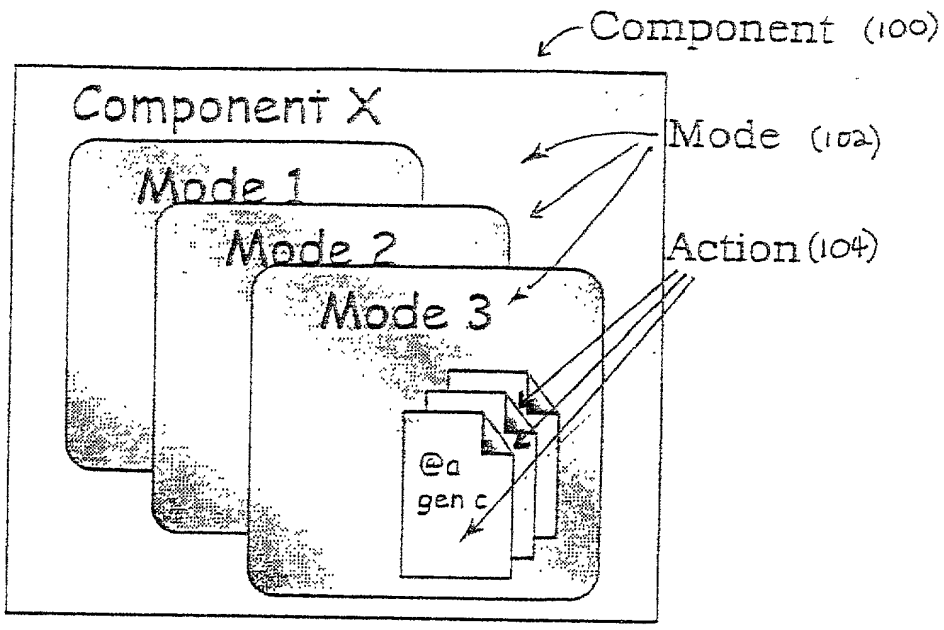

Component (100)
Component X
Mode (102)
Mode 1
Mode 2
Mode 3
Action (104)
@a
gen c

Figure 1

EP 0 954 797 B1

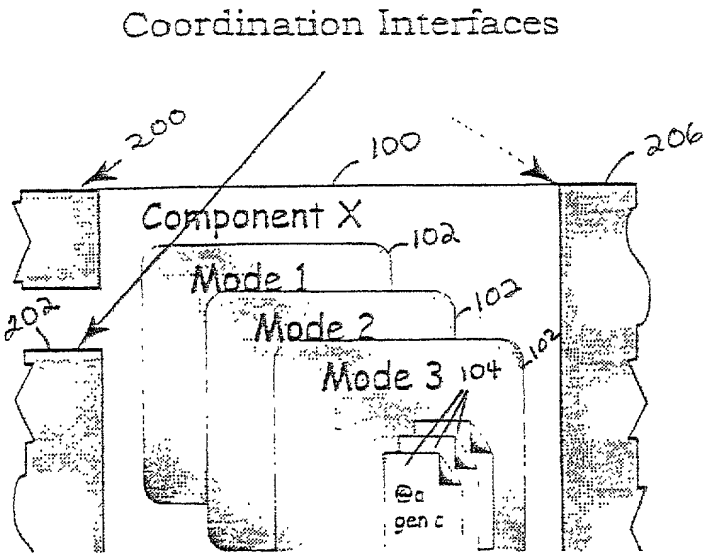


Figure 2

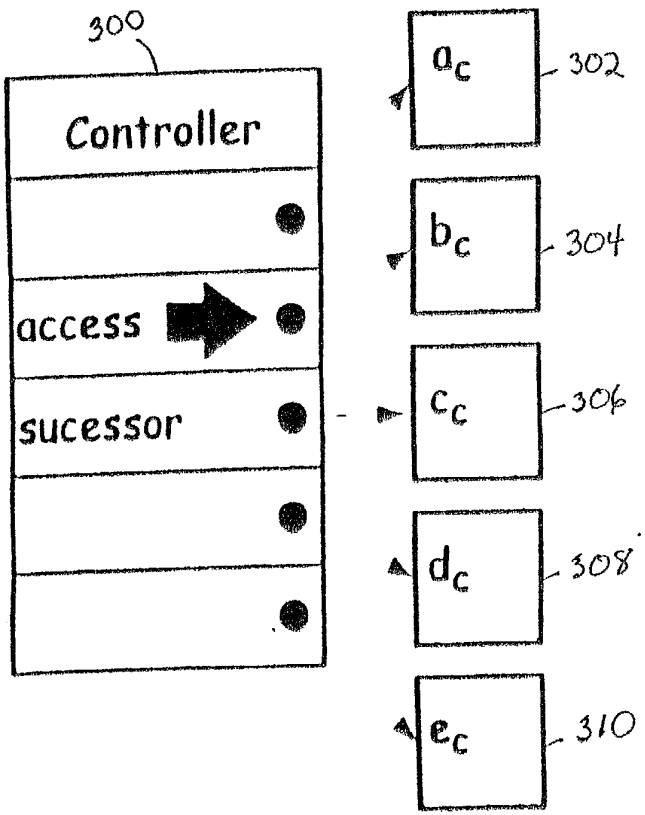


Figure 3A

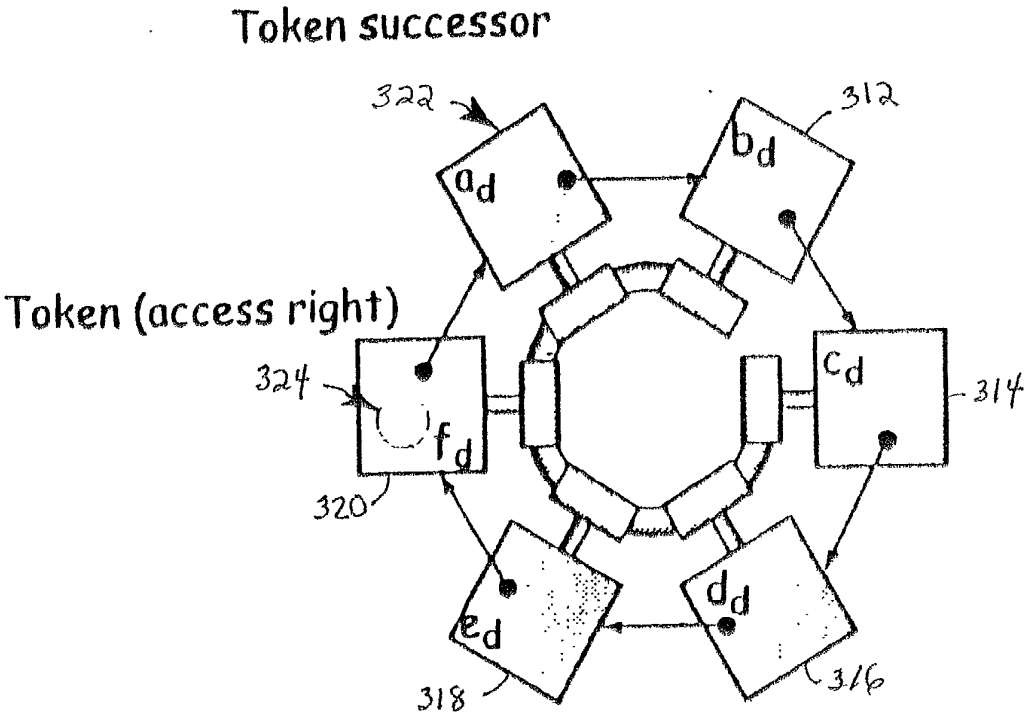


Figure 3B

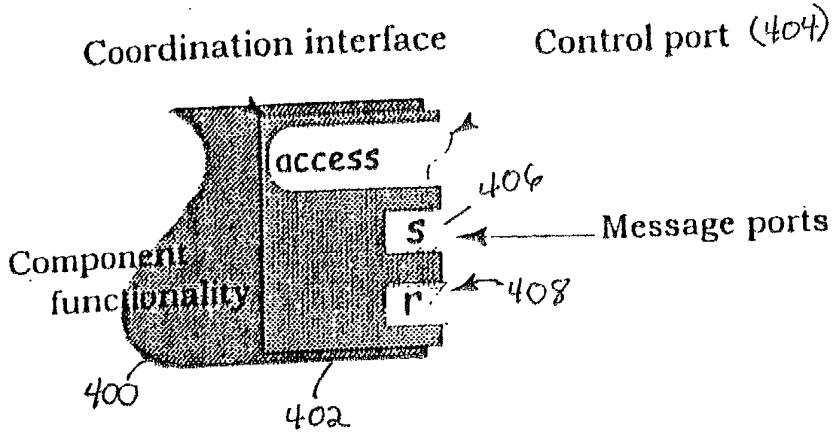


Figure 4A

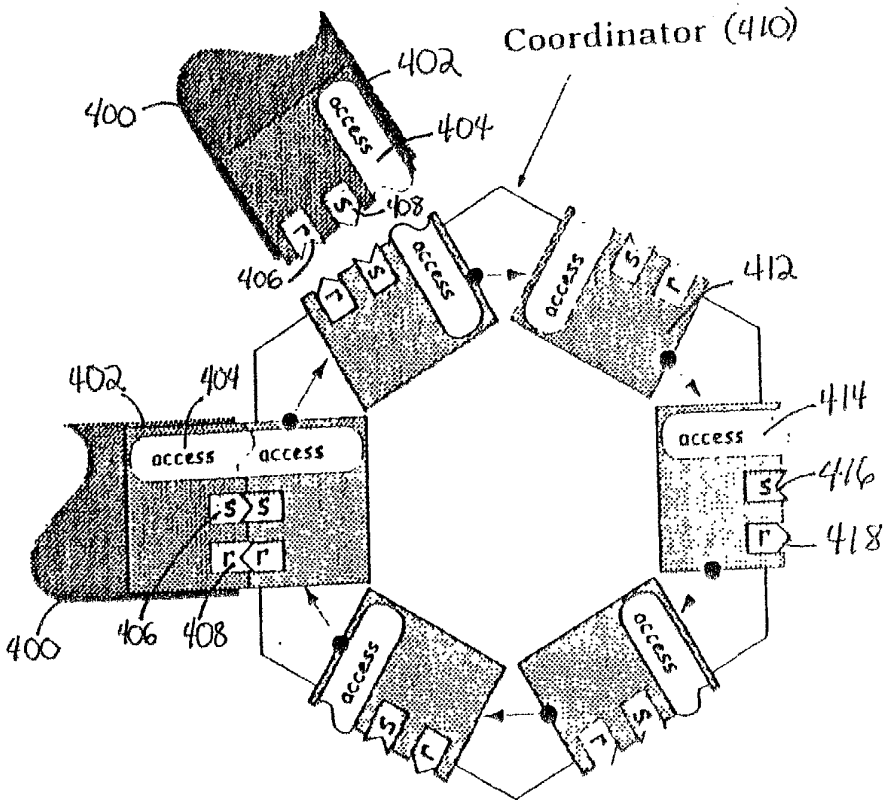


Figure 4B

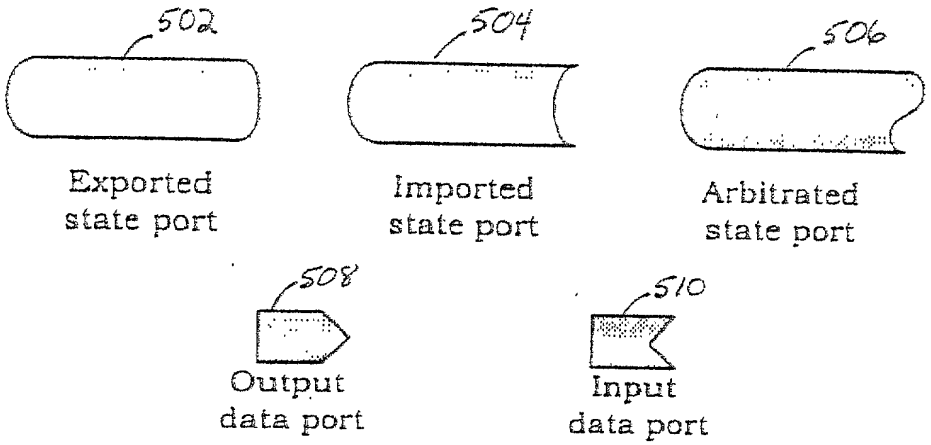

502
504
506
Exported state port
Imported state port
Arbitrated state port
508
510
Output data port
Input data port

Figure 5

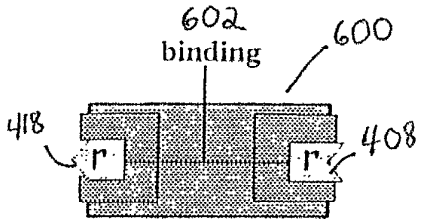


Figure 6A

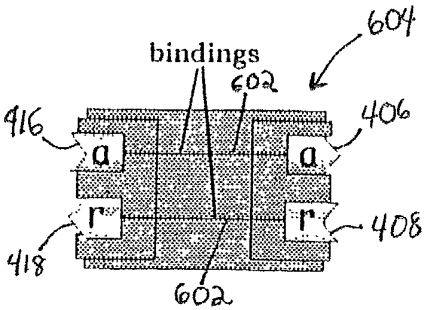


Figure 6B

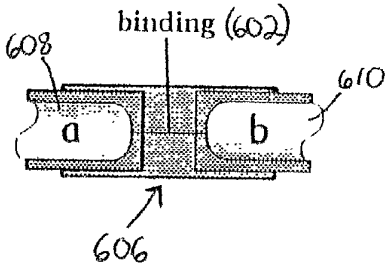


Figure 6C

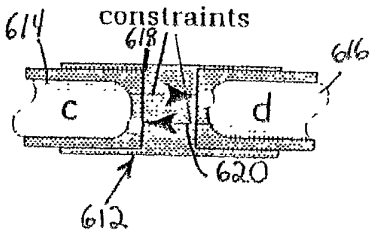


Figure 6D

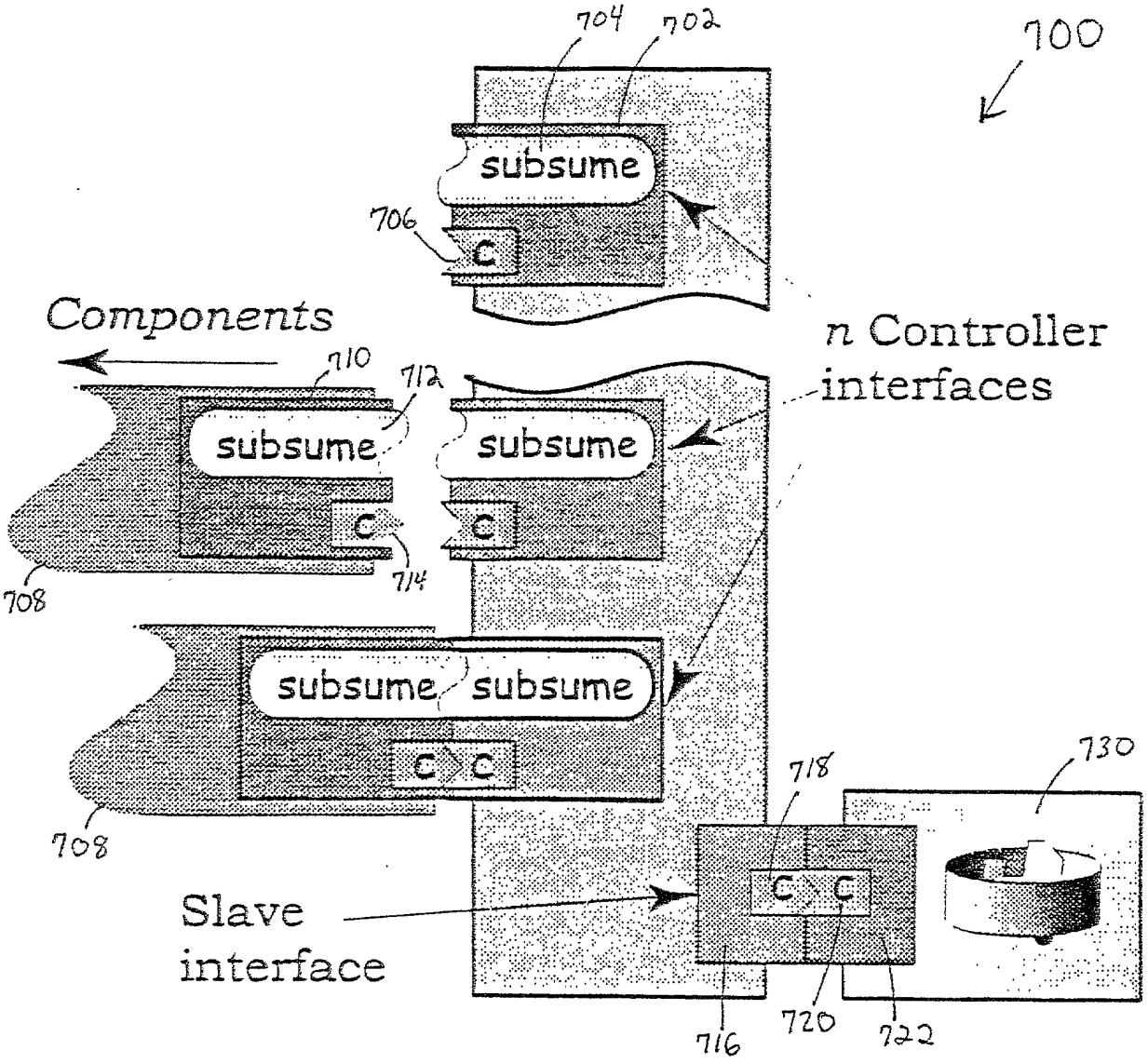

700
704
702
subsume
706
C
Components
n Controller interfaces
710
712
subsume
subsume
C
C
714
708
subsume
subsume
C
C
708
718
730
C
C
Slave interface
716
720
722

Figure 7

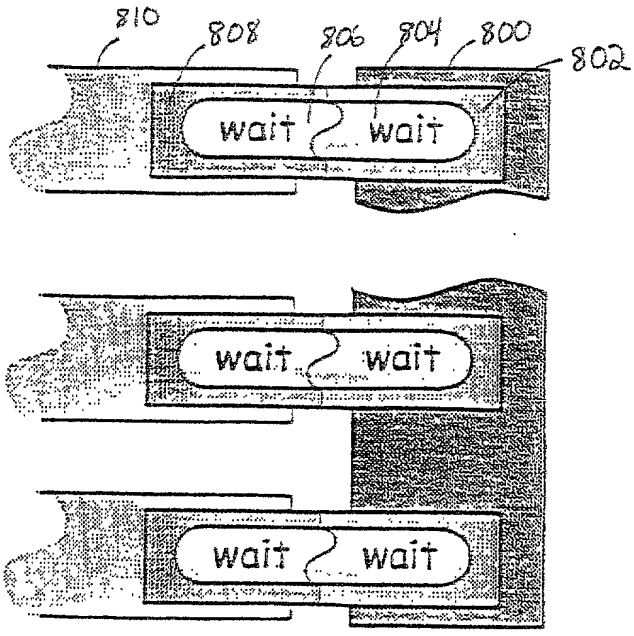


Figure 8

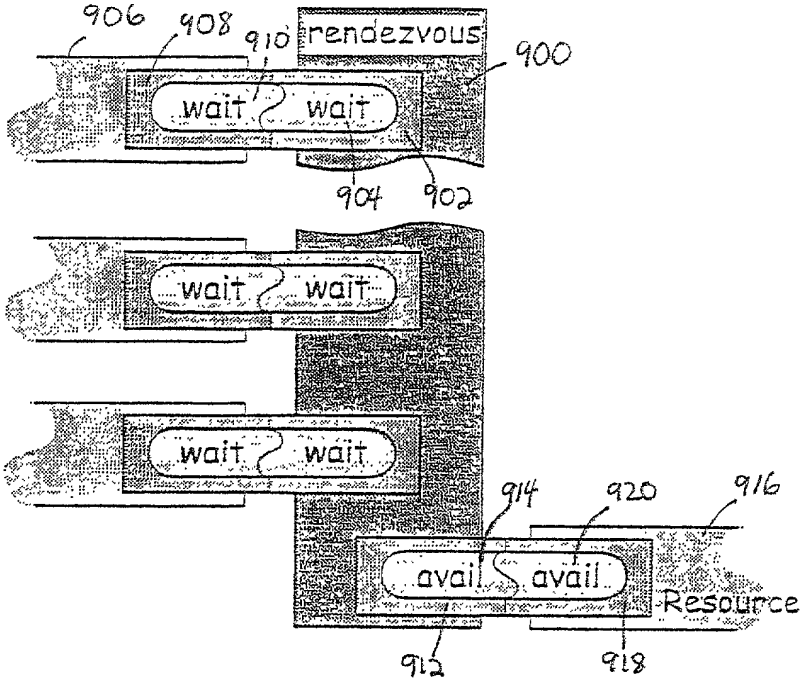

906
908
910
rendezvous
900
wait
wait
904
902
wait
wait
wait
wait
914
920
916
avail
avail
Resource
912
918

Figure 9

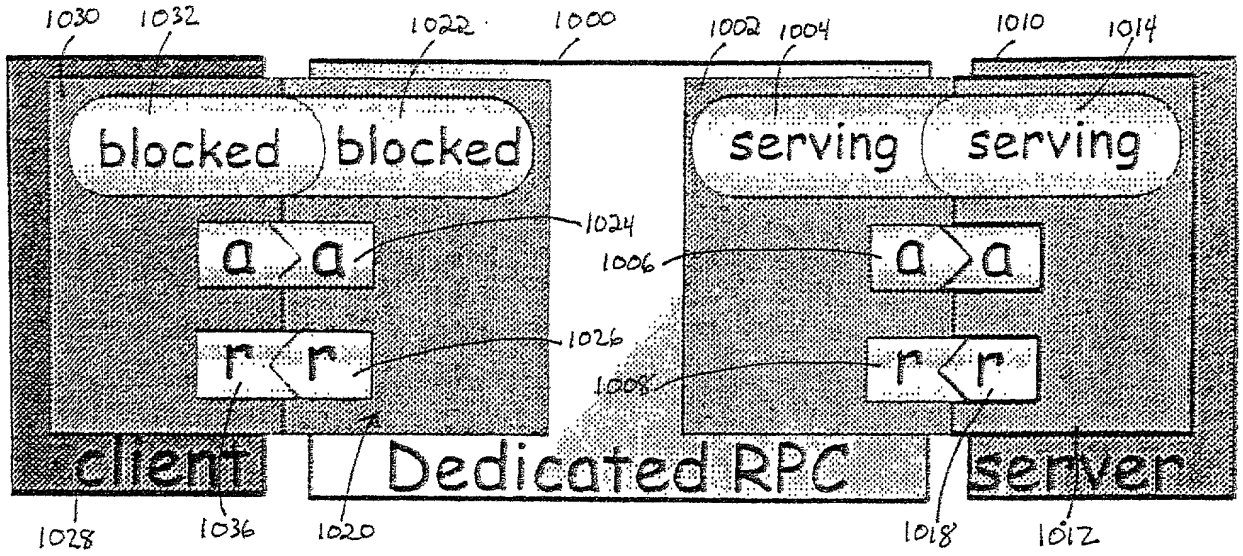

1030
1032
1022
1000
1002
1004
1010
1014
blocked
blocked
serving
serving
1024
1006
a
a
a
a
1026
1008
r
r
r
r
client
Dedicated RPC
server
1028
1036
1020
1018
1012

Figure 10

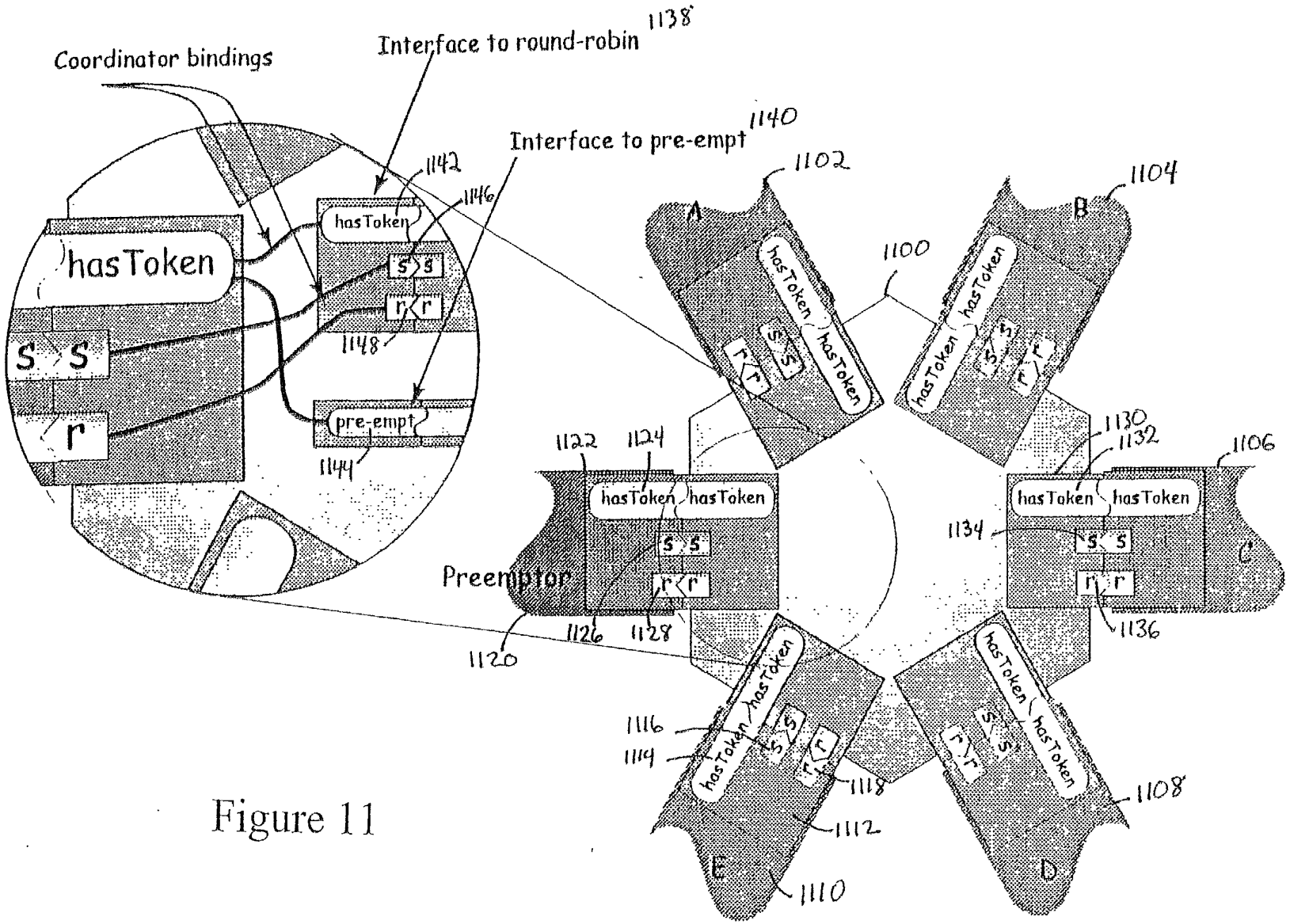

Coordinator bindings
Interface to round-robin
1138
Interface to pre-empt
1140
1142
1146
1148
1144
hasToken
s
r
pre-empt
1102
1104
1100
A
B
1122
1124
1130
1132
1106
1134
Preemptor
1120
1126
1128
1136
1116
1114
1118
1112
1108
1110
C
D
E

Figure 11

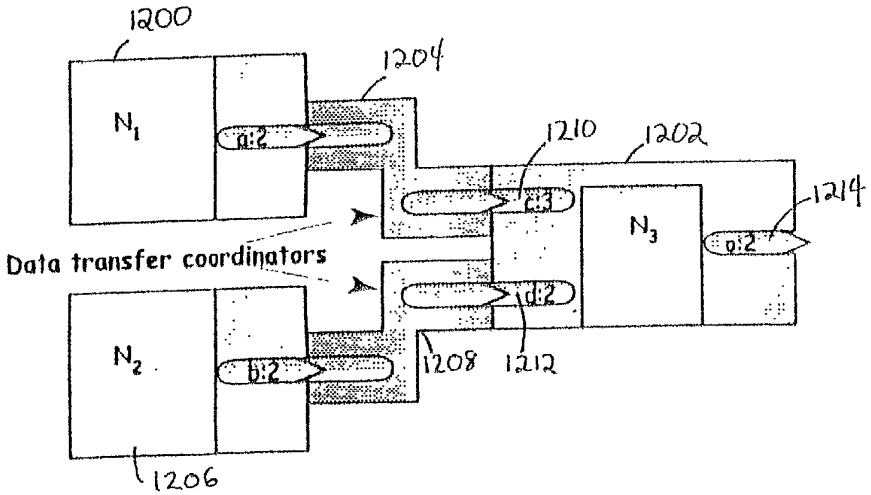


Figure 12A

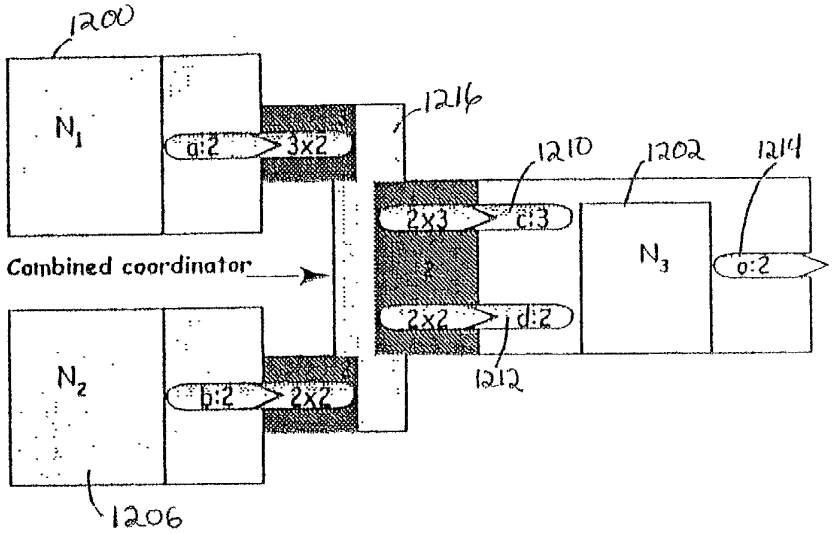


Figure 12B

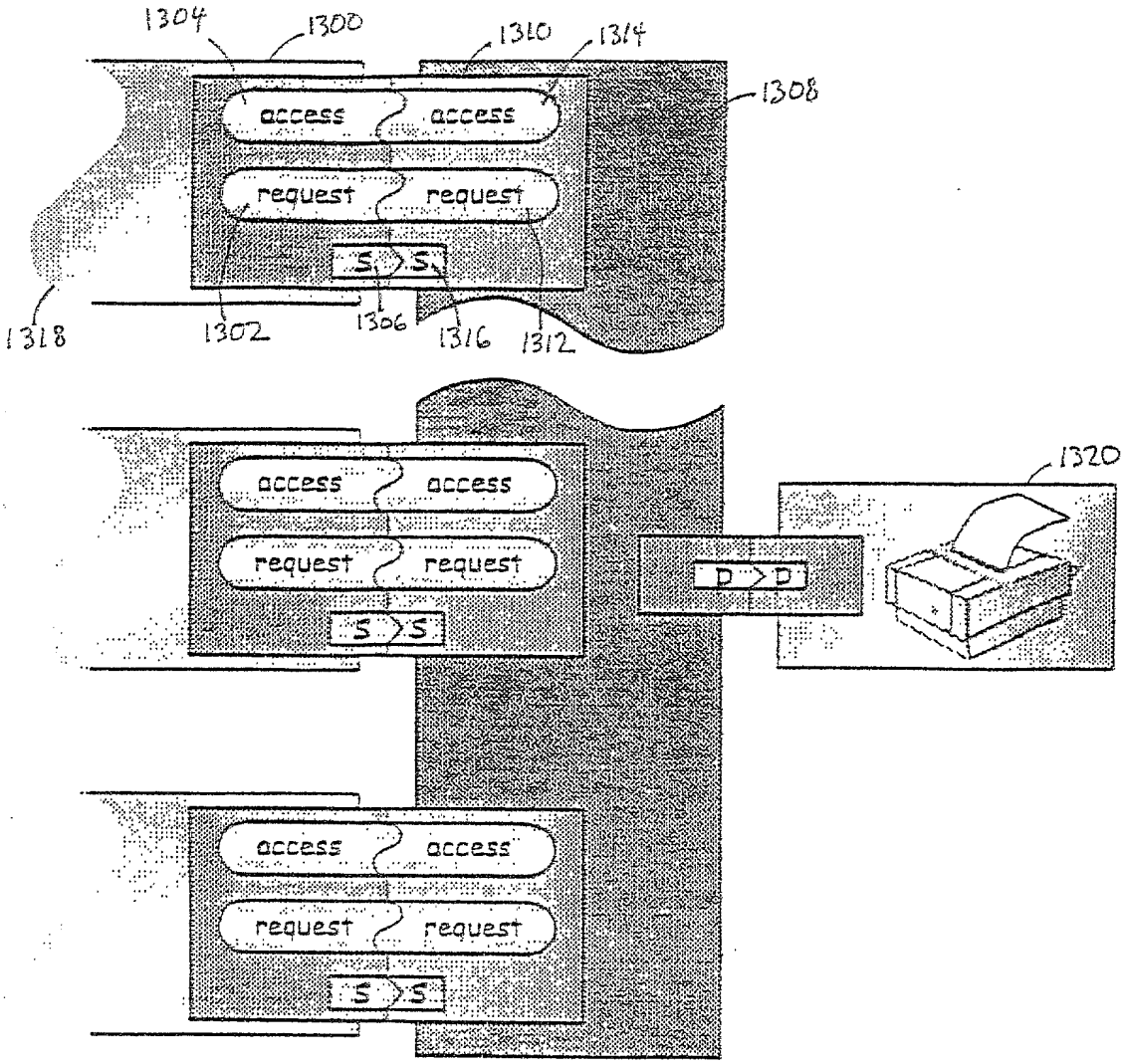

1304
1300
1310
1314
1308
access
access
request
request
S
S
1318
1302
1306
1316
1312
access
access
request
request
S
S
1320
P
P
access
access
request
request
S
S

Figure 13

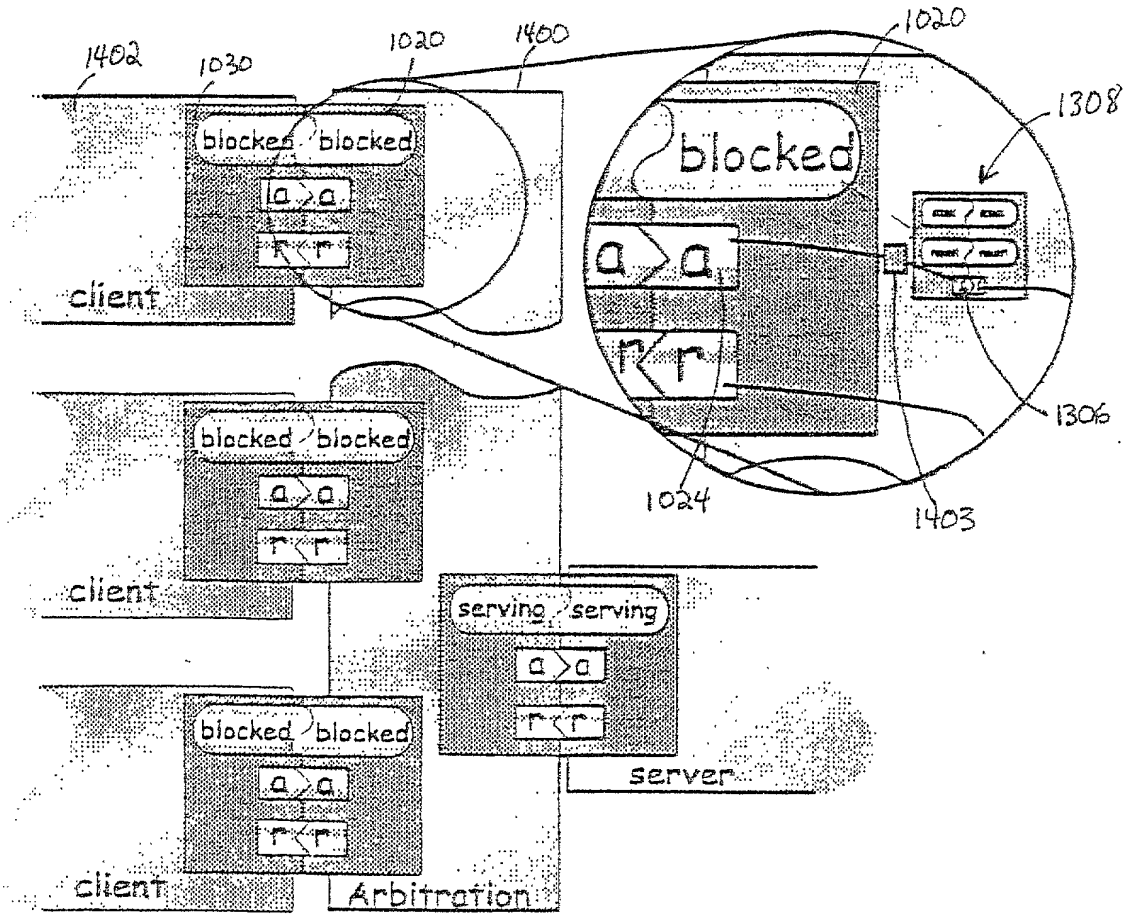

1402
1030
1020
1400
blocked
blocked
a > a
r < r
client
1020
1308
blocked
a > a
r < r
1306
1024
1403
client
serving
serving
server
client
Arbitration

Figure 14

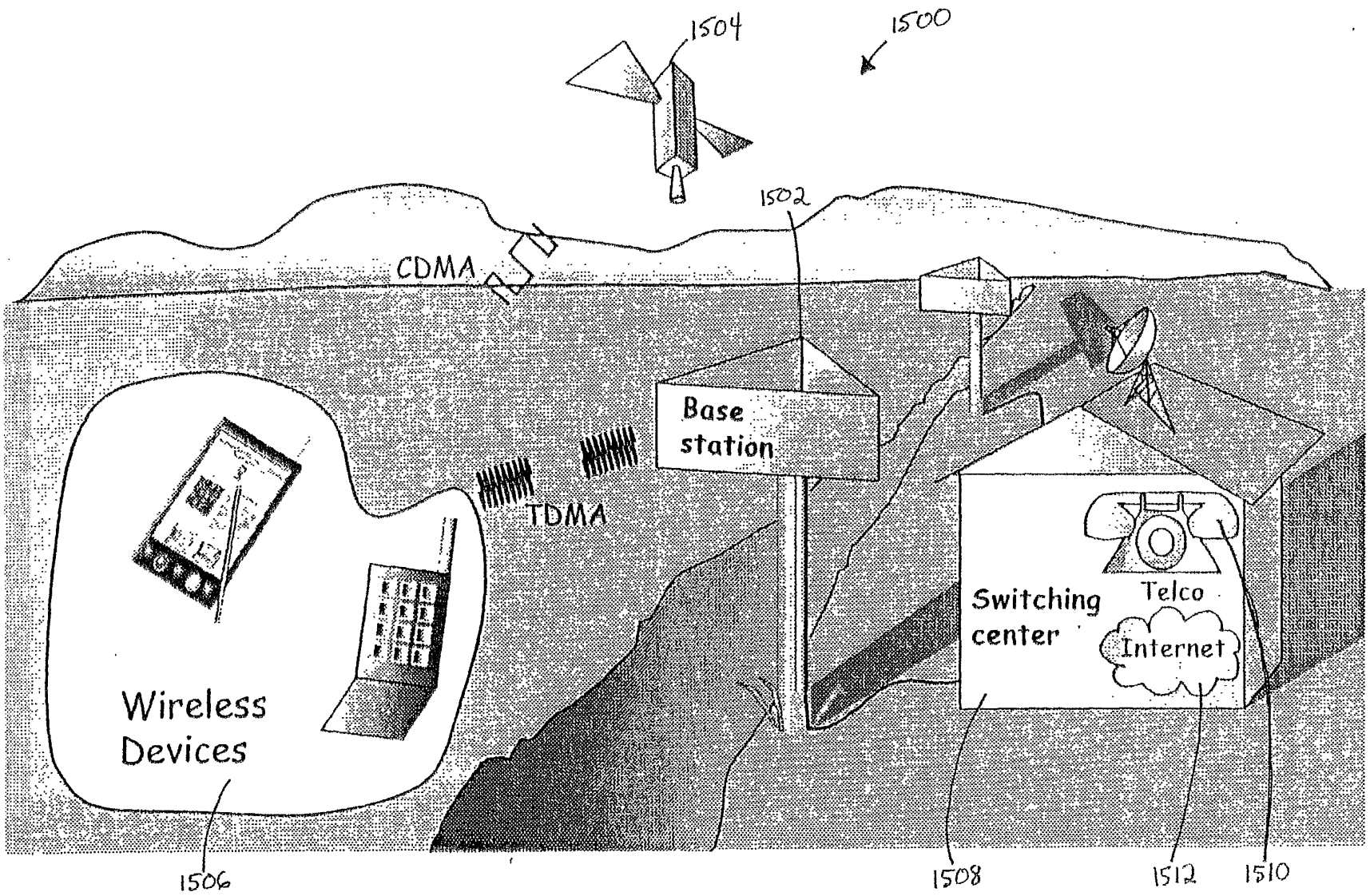

1504
1500
1502
CDMA
Base station
TDMA
Wireless Devices
Switching center
Telco
Internet
1506
1508
1512
1510

Figure 15

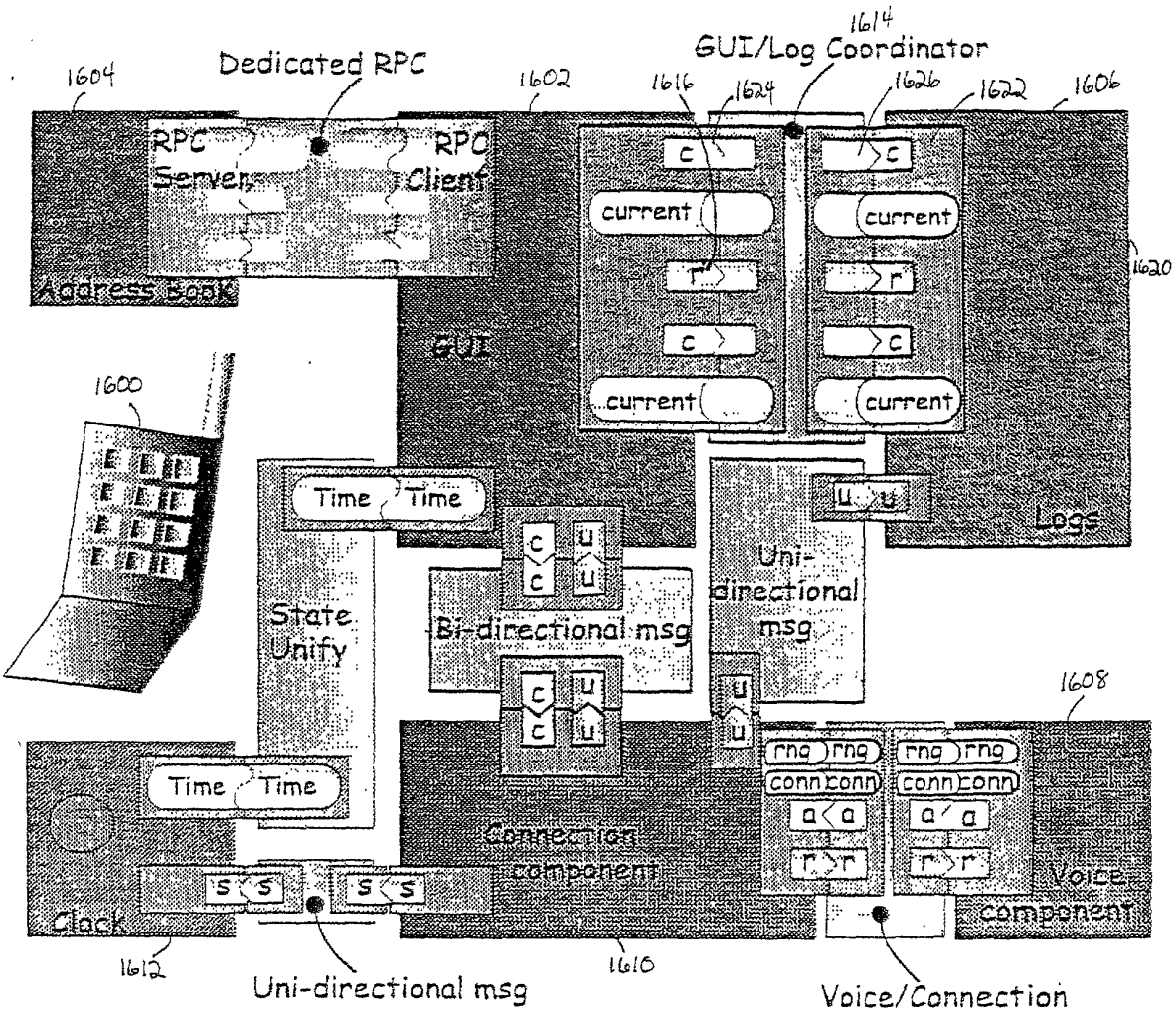

1614
GUI/Log Coordinator
1604
Dedicated RPC
1602
1616
1624
1626
1622
1606
RPC Server
RPC Client
Address Book
GUI
current
1620
1600
Time
State Unify
Bi-directional msg
Uni-directional msg
Logs
1608
Clock
Connection component
Voice component
1612
1610
Uni-directional msg
Voice/Connection

Figure 16

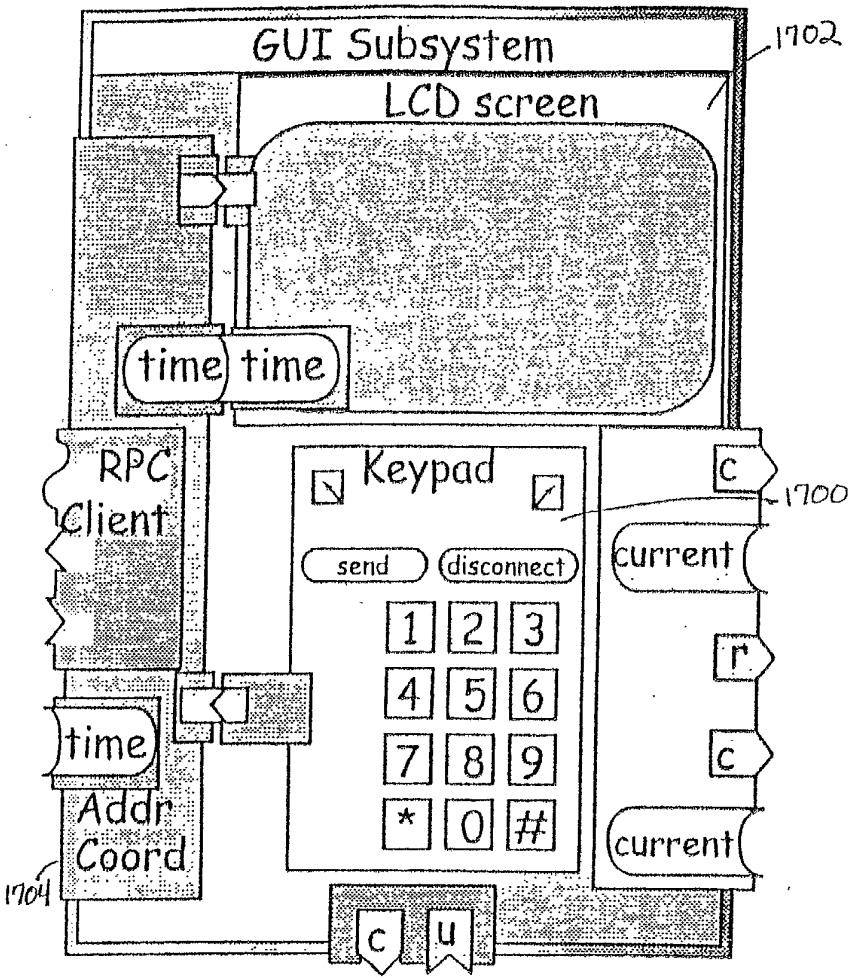


Figure 17A

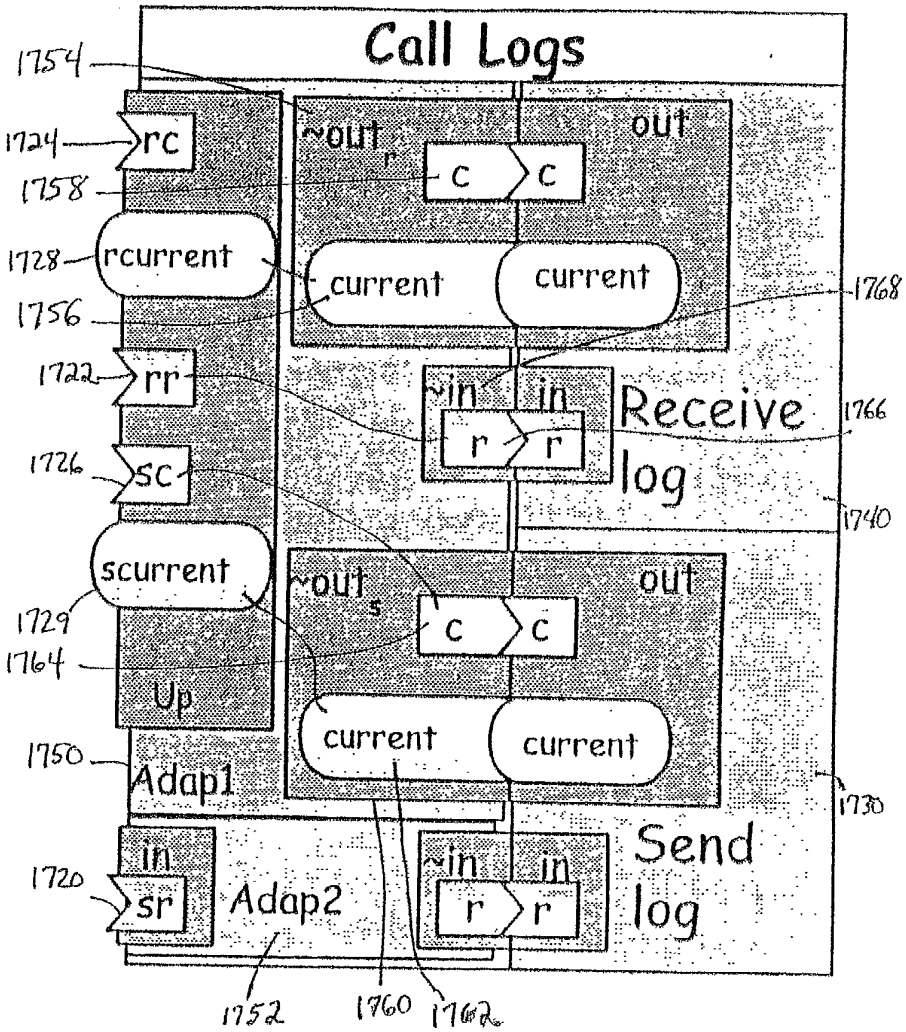


Figure 17B

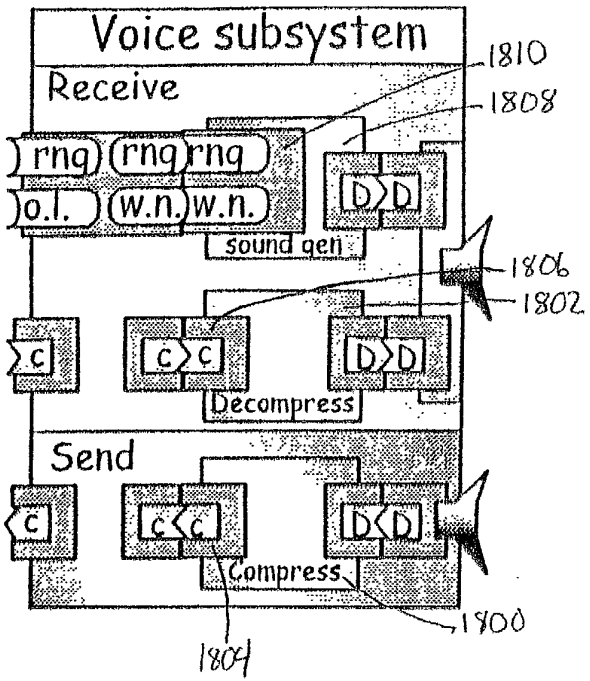


Figure 18A

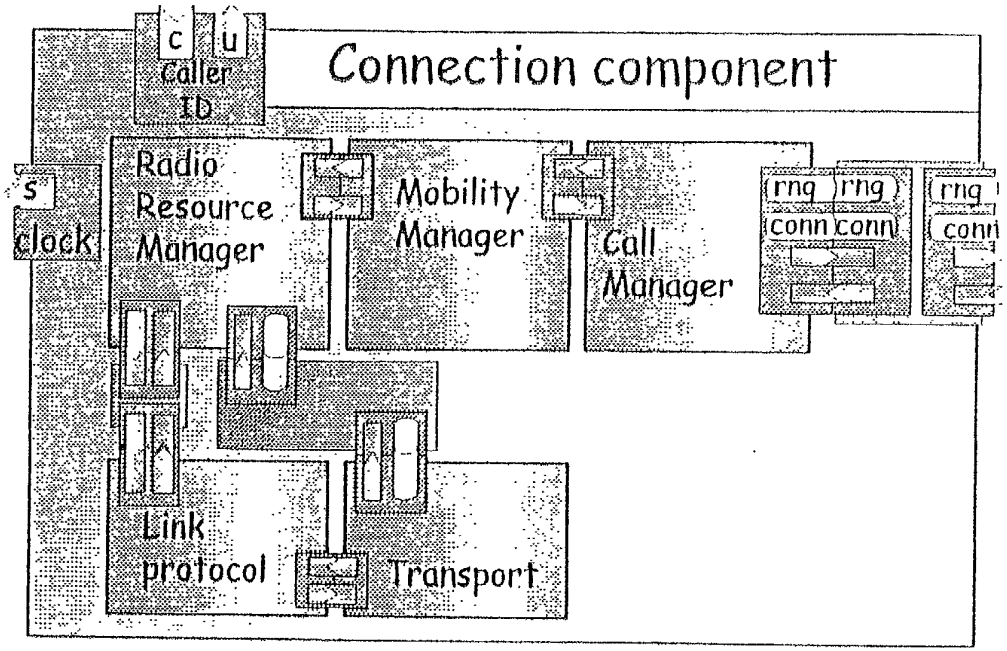


Figure 18B

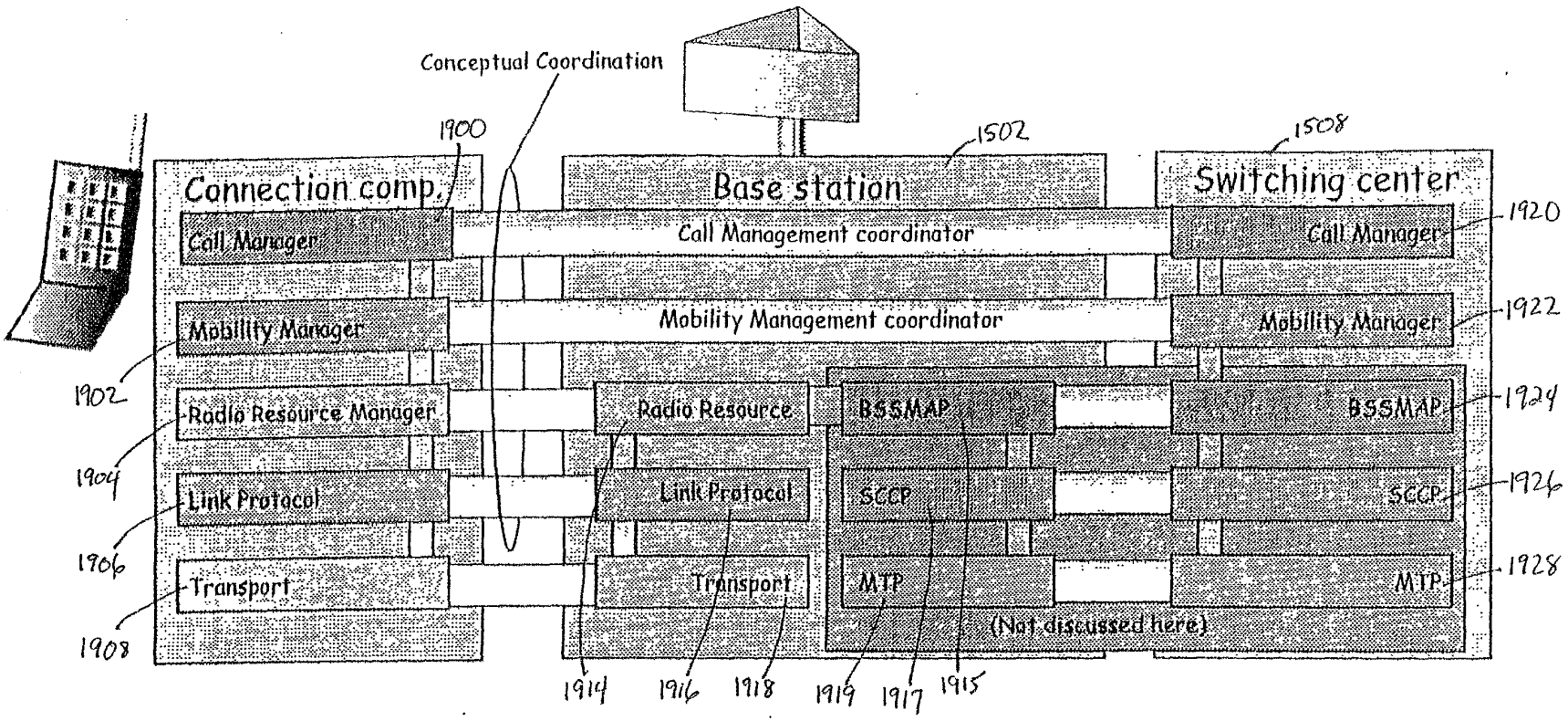

Conceptual Coordination
1900
1502
1508
Connection comp.
Base station
Switching center
Call Manager
Call Management coordinator
Call Manager
1920
Mobility Manager
Mobility Management coordinator
Mobility Manager
1922
1902
Radio Resource Manager
Radio Resource
BSSMAP
BSSMAP
1924
1904
Link Protocol
Link Protocol
SCCP
SCCP
1926
1906
Transport
Transport
MTP
MTP
1928
1908
(Not discussed here)
1914
1916
1918
1919
1917
1915

Figure 19

Tuesday, 03/30/2004

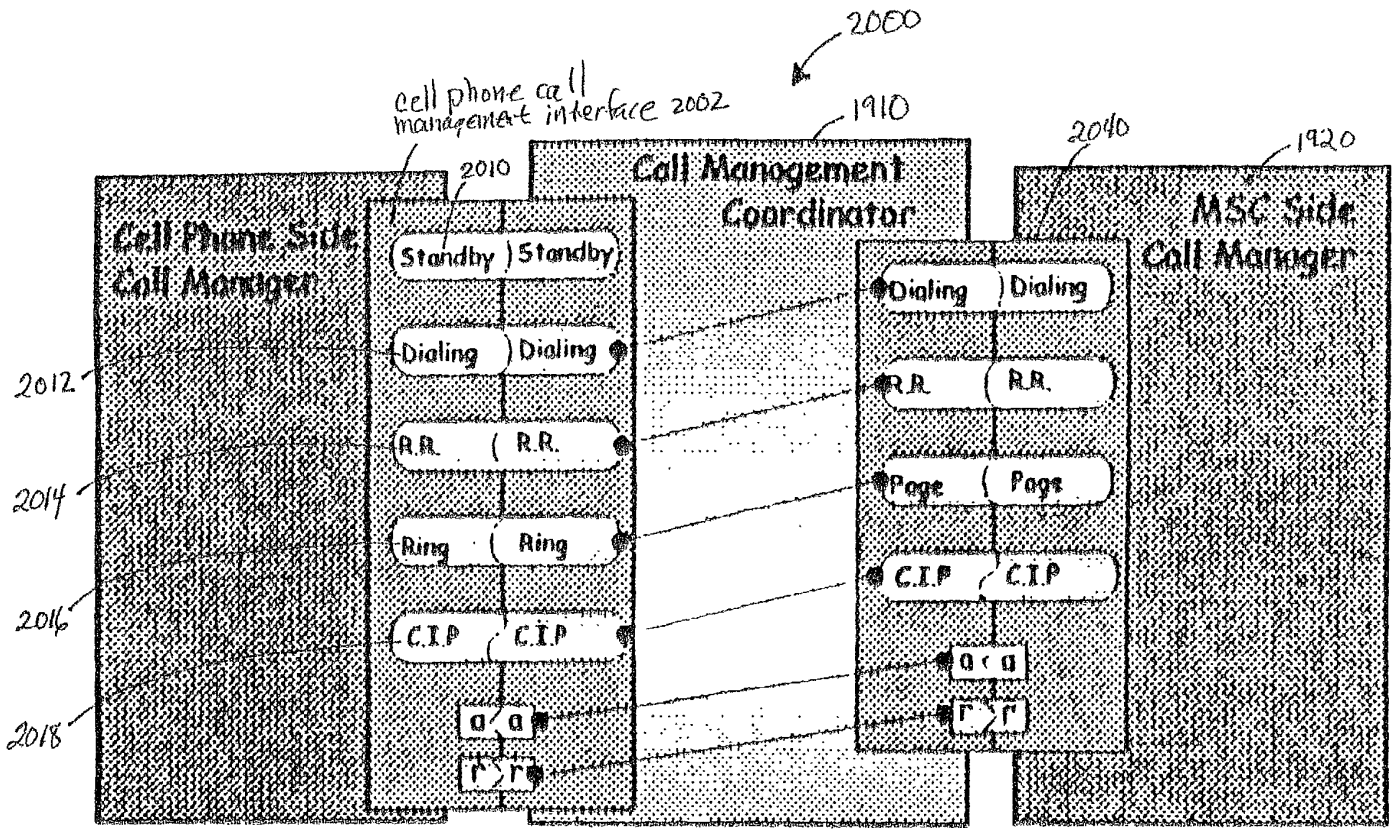


Figure 20

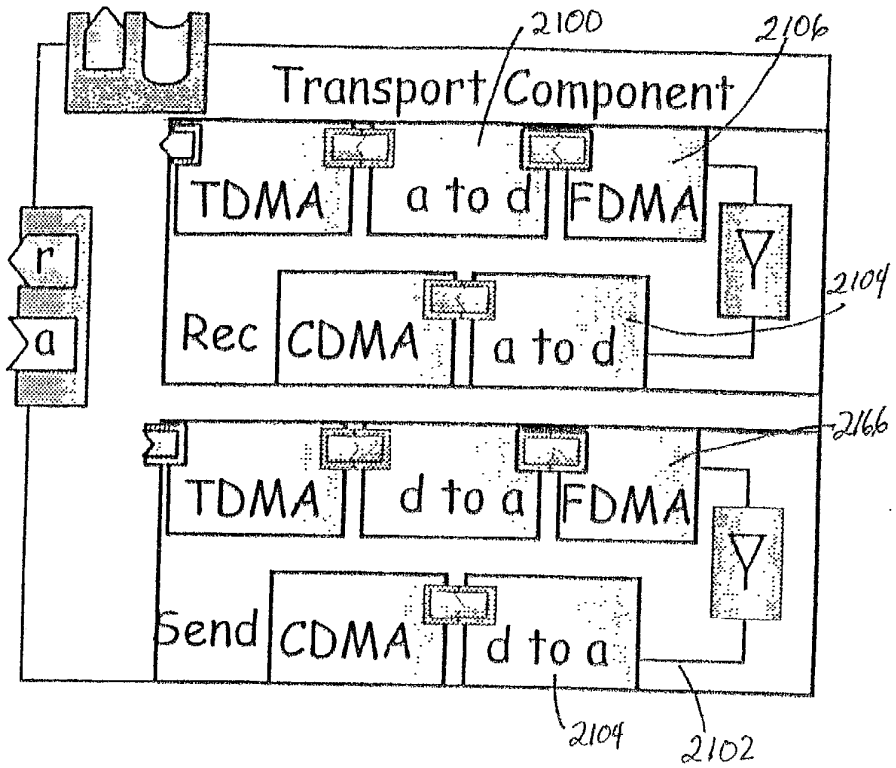


Figure 21A

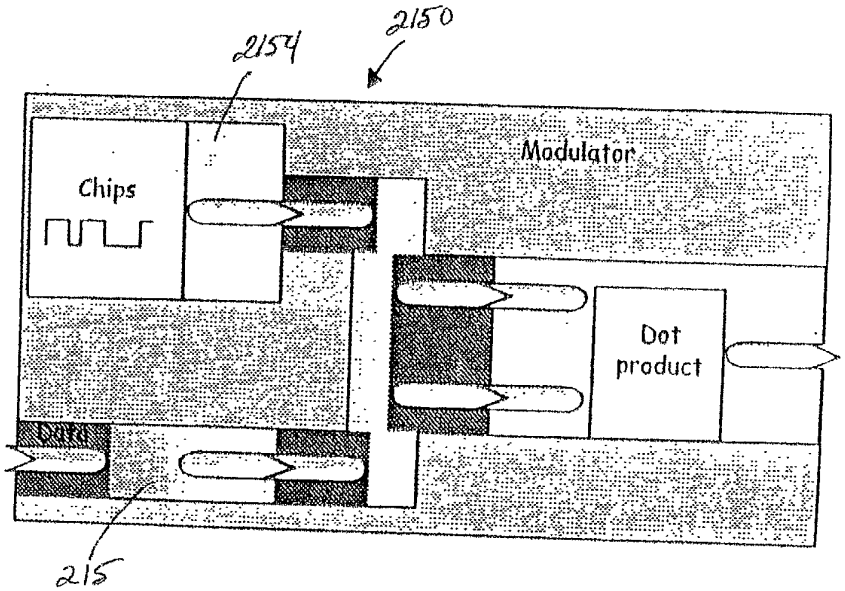
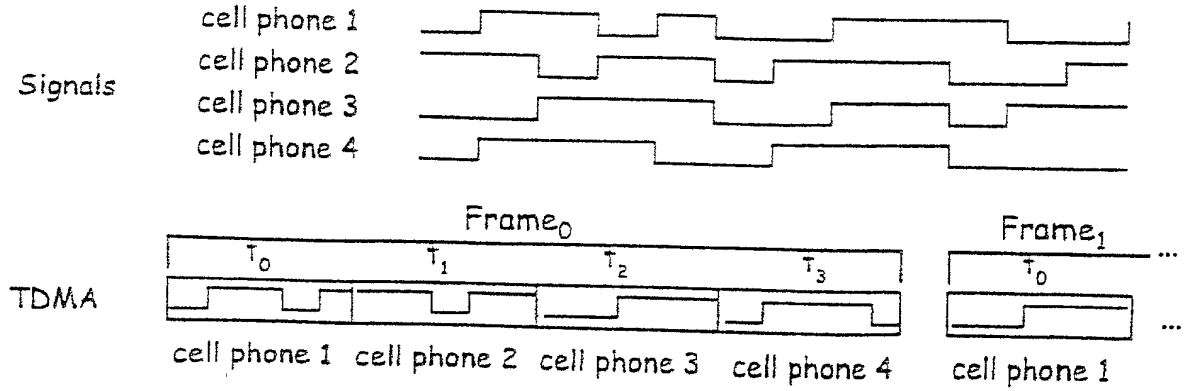


Figure 21B


Signals
cell phone 1
cell phone 2
cell phone 3
cell phone 4
TDMA
Frame0
Frame1
T0
T1
T2
T3
T0
cell phone 1
cell phone 2
cell phone 3
cell phone 4
cell phone 1

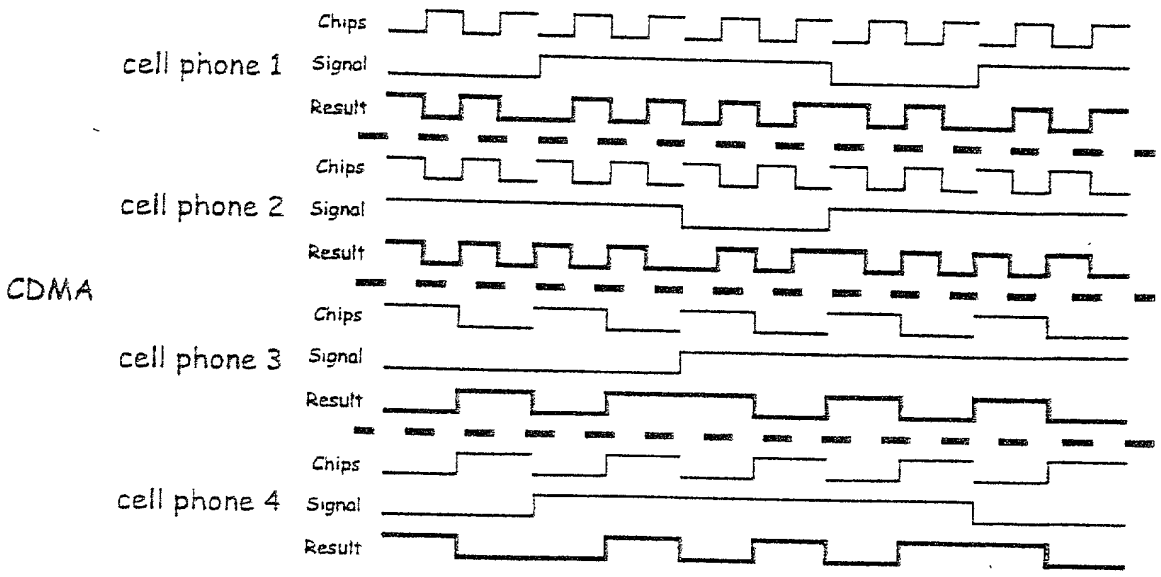

CDMA
cell phone 1
cell phone 2
cell phone 3
cell phone 4
Chips
Signal
Result

Figure 22

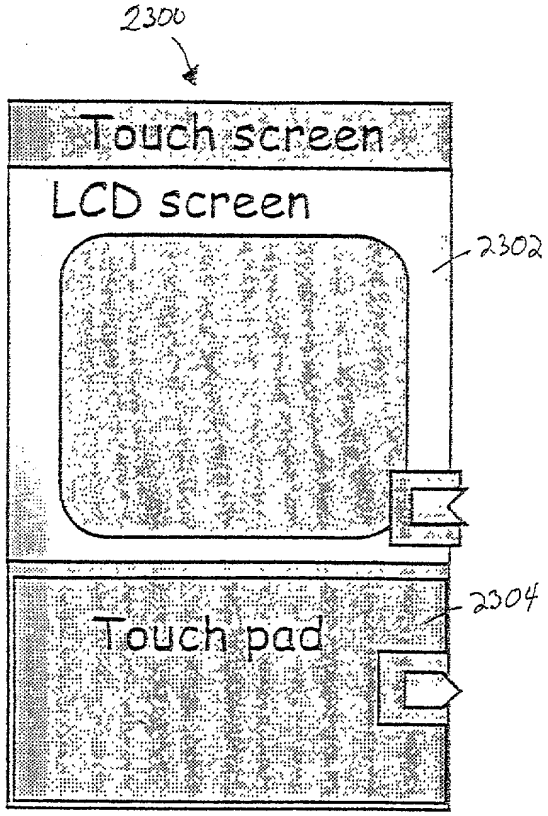


Figure 23A

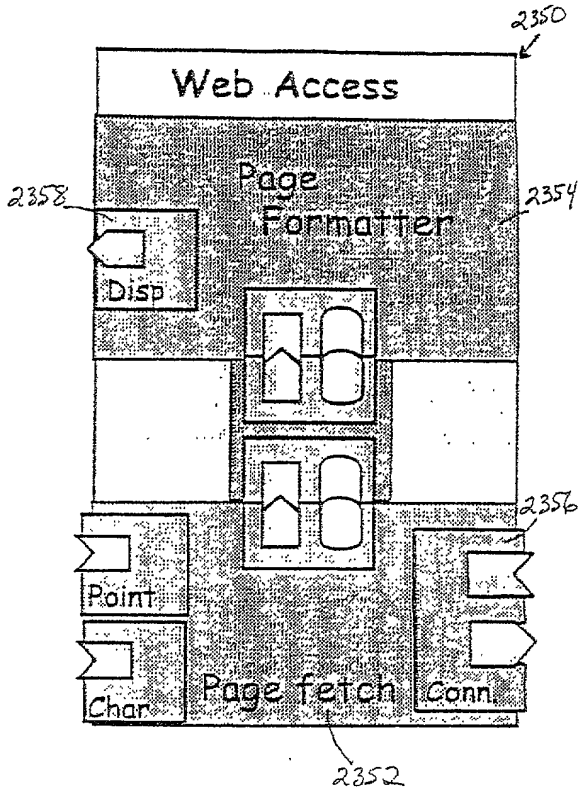


Figure 23B

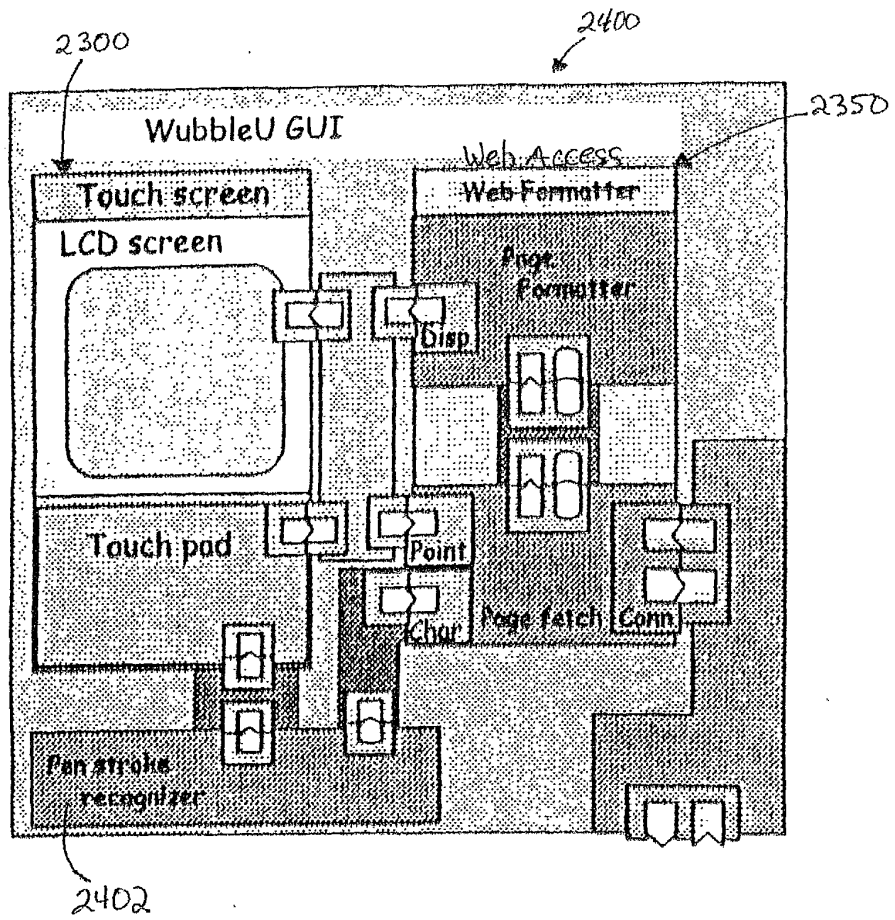


Figure 24A

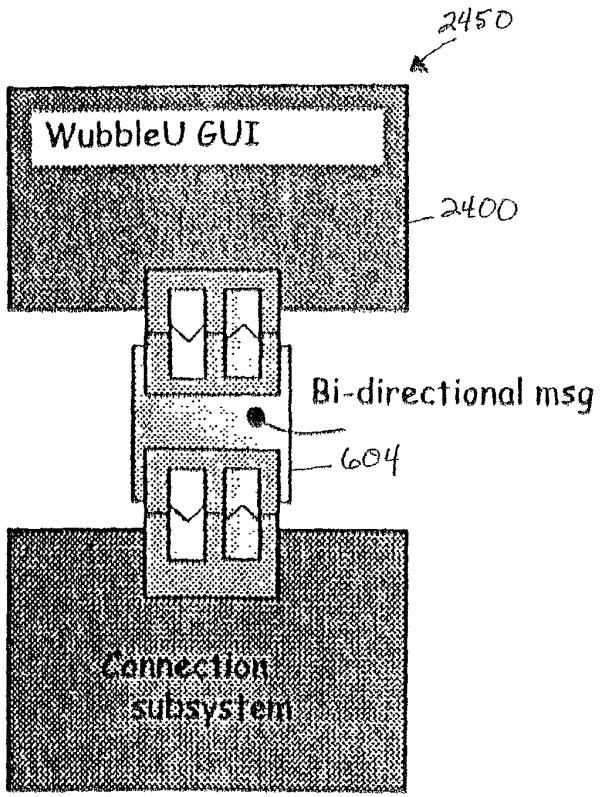


Figure 24B

2500

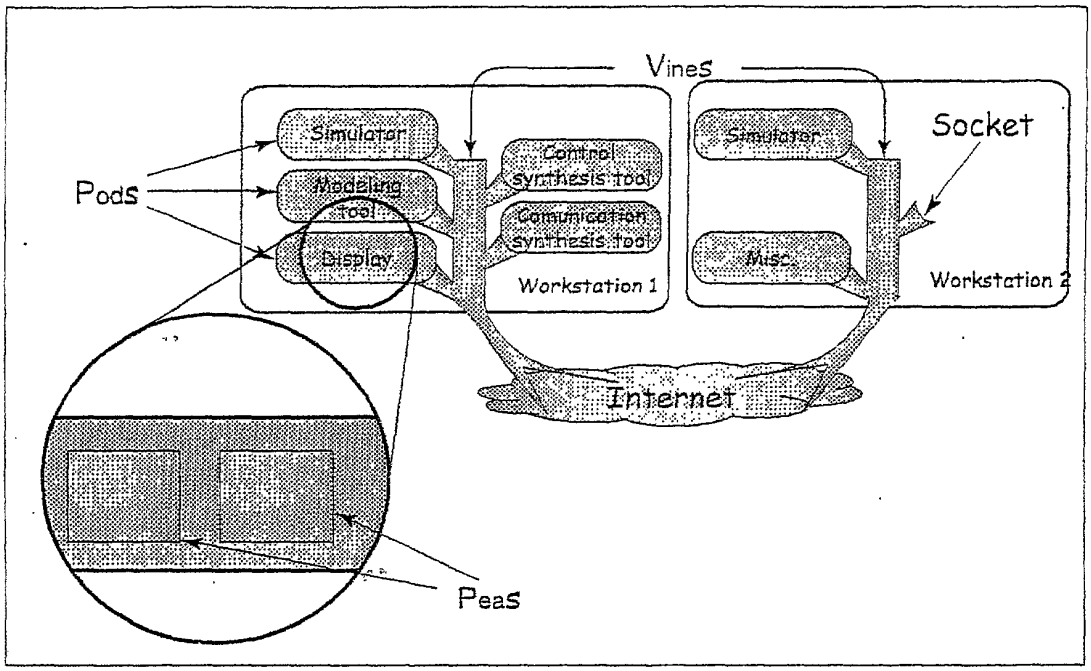


Figure 25

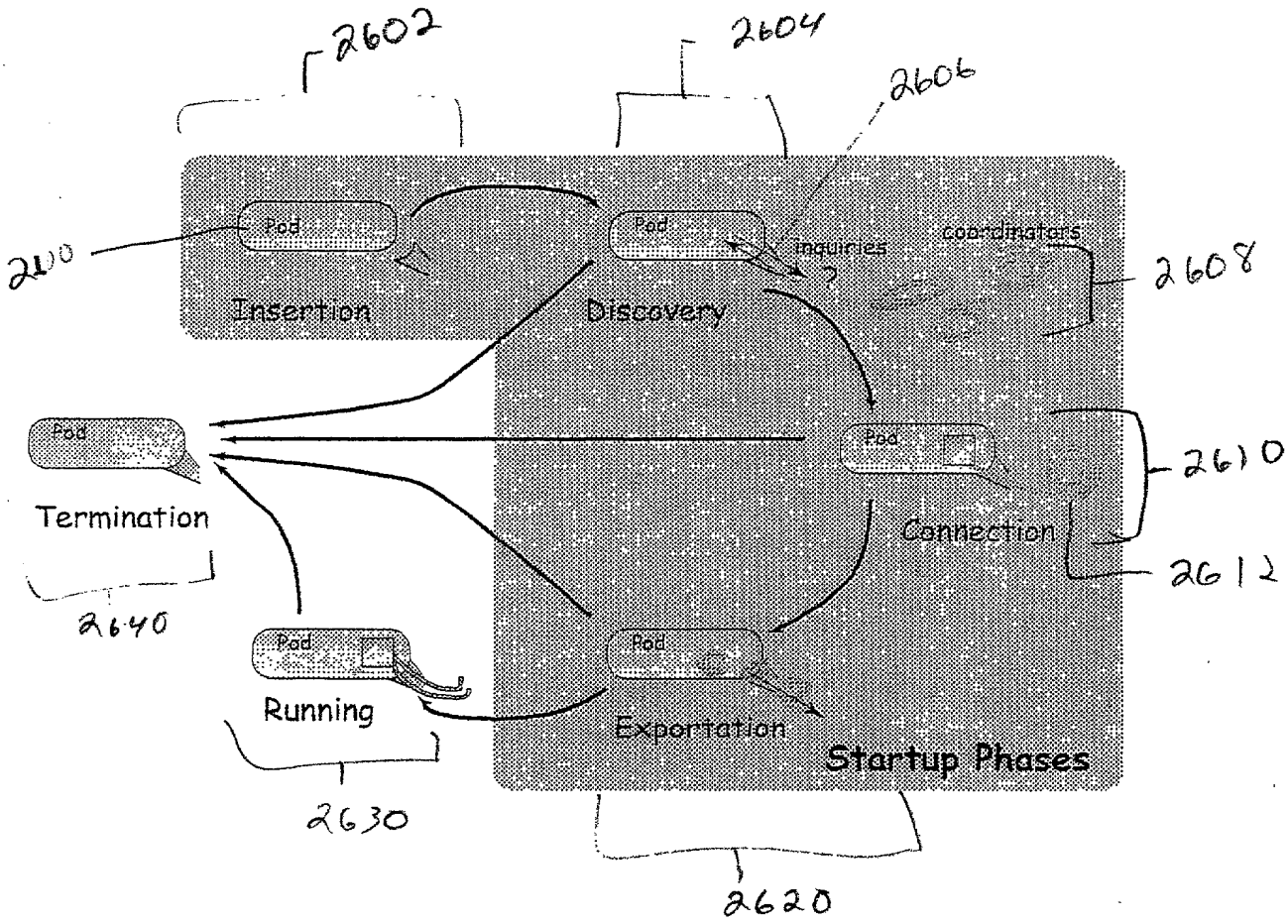

2602
2604
2606
2600
Pod
Insertion
Pod
Discovery
Inquiries
coordinators
2608
Pod
Termination
2640
Pod
Connection
2610
2612
Pod
Running
2630
Pod
Exportation
Startup Phases
2620

Figure 26

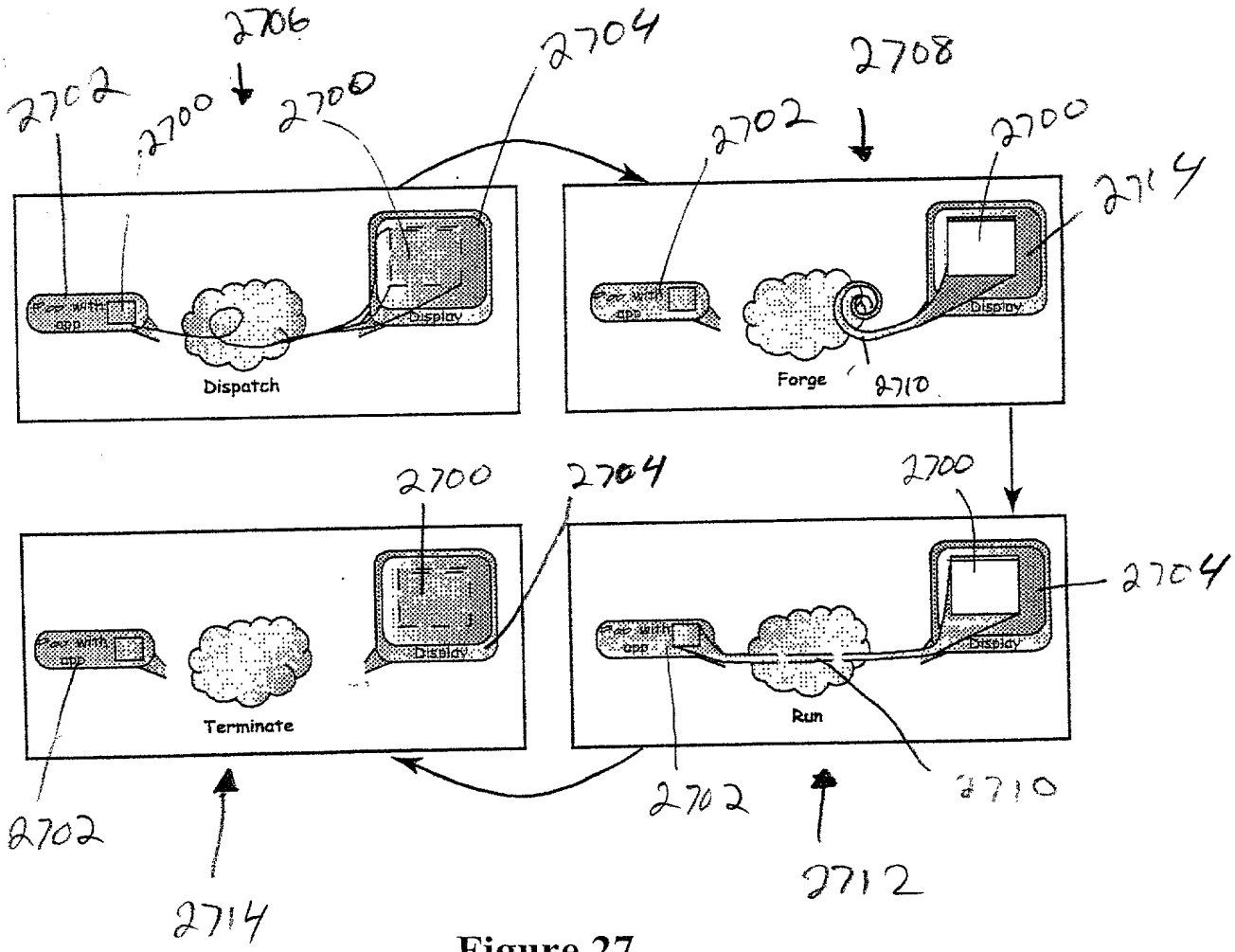

2706
2702
2700
2700
2704
2708
2702
2700
2714
Dispatch
Forge
2710
2700
2704
2700
2704
Terminate
Run
2702
2710
2702
2712
2714

Figure 27